



B.A.R.G. NEWS

JUNE 1995

VOL 18 NO 5.

NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP INC.



P.S.
DON'T FORGET THE
MEAL AT THE CITY OVAL
HOTEL ON JULY 14TH

CQ CQ CQ

This is BARG calling.

Don't forget the

Annual General Meeting

Friday 28th. July 1995

   for supper.

NEXT
MONTH



BALLARAT AMATEUR RADIO GROUP INC.

OFFICE BEARERS - 1994 / 1995

			WORK	HOME
PRESIDENT	BOB TERRILL	VK3BNC		395317
VICE PRESIDENT	GORDON CORNELL	VK3FGC	391135	392427
IMM.PAST PRESIDENT	CLIFF BILSTON	VK3CCB	204321	361249
SECRETARY	GEOFF SMITH	VK3ADB	358601	332112
ASST.SECRETARY	JIM WRIGHT	VK3CFB		327563
TREASURER	HARRY HEKKEMA	VK3KGL		357563
MEMBERSHIP SECRETARY	NORM D'ANGRI	VK3LBA		341613
NEWSLETTER EDITOR	NORM D'ANGRI	VK3LBA		341613
EDUCATION OFFICER	TOM GEORGE	VK3DMK	327234	
EXAMINATIONS OFFICER	CHARLIE STEWART	VK3DCS		317425
TECH. OFFICER	DICK ANTOZIEWICZ	VK3AEX		323273
TECH. OFFICER (DIGITAL)	TOM GEORGE	VK3DMK	327234	
MEMBERS' REP.	MARY CURNOW	VK3FMC		301927
MEMBERS' REP.	CLIFF BILSTON	VK3CCB	204321	361249
MEMBERS' REP.	REG CARTER	VK3CAZ		417585
QSL MANAGER	DOUG RAPER	VK3VBA		323565
NET CO-ORDINATOR	CLIFF BILSTON	VK3CCB	204321	361249
AWARDS MANAGER	MAURIE BATT	VK3XEX		422245
LIBRARIAN / HISTORIAN	RICHARD VOSS	VK3JFL		326048
PUBLICITY OFFICER	JEFF MULLER	VK3LU		328314
PROPERTY OFFICER	JEFF PIGDON	VK3PAP	311211	327041
WICEN COMMITTEE	GORDON CORNELL	VK3FGC	391135	392427
	GEOFF SMITH	VK3ADB	358601	332112
	TOM GEORGE	VK3DMK	327234	
TECHNICAL COMMITTEE	DICK ANTOZIEWICZ	VK3AEX		323273
	IAN McDONALD	VK3AXH		
	DICK FORRESTER	VK3VU	337080	357663
	DAVID McCONNELL	VK3YNB		
	BEN ORCHARD	VK3TOP		203601
	DEAN SPEEDIE	VK3LDS		332741
HAMVENTION CO-ORD.	TOM GEORGE	VK3DMK	327234	
LIFE MEMBERS:	MAURIE BATT (VK3XEX)	IAN McDONALD (VK3AXH)		
	GEORGE SMALL (VK3DKJ) SK	JIM WRIGHT (VK3CFB)		
	KEVIN HUGHES (VK3WN)	PHIL SEDDON (VK3AQM)		
	STAN WIDGERY (VK3SE)			

CLUB STATION

VK3 BML

REPEATERS

VK3RBA (Voice)	146.750 MHz. - Mt. Buninyong.
VK3RBS (Voice)	146.900 MHz. - Smeaton Hill
VK 3RPC (Packet)	144.750 MHz. - Mt. Warrenheip.
VK3RBU (Voice)	438.475 MHz. - Mt.Hollowback.
VK3RMB (Beacon)	432.535 MHz. - Mt.Buninyong.
VK3RBV (ATV)	426.250 MHz. - Ballarat

ACTIVITIES

CLUB NET: Thursday nights at 8 pm. (8.30 pm during Daylight Saving). Freq: 3.610 MHz +/- QRM.

2 METRE SCRAMBLE: Sunday Nights at 7.50 pm. Freq: 146.425 to 146.600 MHz. Inc.

Call back held on VK3RBA 146.750 MHz.

Logs monthly to D.Quirk - P.O. Box 78 - Newstead 3462 (or Meeting) to qualify.

MEETINGS: General Meeting : Last Friday of each month (except December) at 7.30 pm.

Natter Night : 2nd Friday of each month.

Venue: Ballarat Adult & Further Education Centre (BRACE) 602 Urquhart St. (Cnr. Windemere St.)

FOX HUNTING: As arranged during the year.

PLEASE ADDRESS ALL CORRESPONDENCE to:

The Secretary - BARG Inc.

Box 1261

Mail Centre

Ballarat 3354

DISCLAIMER

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The Minutes

MINUTES OF BARG MEETING HELD 26TH.MAY 1995



THE MEETING OPENED at 7.40pm. and President Bob VK3BNC offered a special welcome to visiting members of the Geelong Amateur Radio Club.

APOLOGIES were tendered on behalf of the following:

VK3s - SE, VCW, YMW, AAP, NIZ, TDG, VU, KQF and XEX.

CAZ/DMK

MINUTES: The minutes as circulated were accepted.

KQQ/XDQ

TREASURER'S REPORT:

Was presented by Harry VK3KGL and the following accounts presented for payment

Ben Orchard ATV	\$295.10
Dick Antosiewicz RPC	\$ 41.85
Norm D, Angri - News Postage	\$ 48.55
John Graham - News Printing	\$ 41.75

Total \$427.25

General Acct. Balance \$126.78

DMK/AXH

CORRESPONDENCE: was received from Amateur Radio. Illawarra ARC. Hervey Bay RC. WICEN
EMDRC Serg & program. WANSARC GARC
Out - MPRG re LINK program

GENERAL BUSINESS: Reports as circulated.

- * Verbal update from Ben VK3TOP on the ATV repeater VK3RBV. A vertical antenna has been installed and indications are that all is working well.
A 'downverter board' will be available soon as per 1984 ETI and Current 'Silicon Chip'. Liase with Kevin VK3WN.
Access Frequency is now 146.000.
- * Hamvention - Proposed Venue change to Ballarat Showgrounds. FGC/XDQ
- * Membership Fee proposal - To be considered. KQQ/XDQ
- * Coax Cable purchase - Well in hand VK3AXH.
- * Ham CD purchase - In Hand DCS/CCB
- * Novice/Limited licence. - Being finalised - notification in about 2 weeks or so - VK3AXH
- * Technical - Some problems with BBA of a morning - suspect inversion 'Tasmanian Access'
RBS off air - VK3AEX and VK3ADB to investigate.
- * Packet linking program - April letter ignored. Firmer request to be sent for information on current status. AXH/DMK
- * Club Project - Field Strength Project - Very Popular project VK3BNC.
- * Net - Good roll up. Usually about 12 to 20 check - ins. VK3CCB.
- * Coming up - Mallee Rally - Woody's Visit - Counter Tea City Oval Hotel 14th July. VK3FMC
- * Ill Health - Our best wishes to VK3XEX and VK3KQF.
- * Info from Jim VK4BX (ex SMB student circa 1950) re Hervey Bay "VI50PEACE" award.

MEETING CLOSED AT 8.15pm.

George DOK and Doug VBA prepared themselves for the Auction Action!!!
Boy! what a Ginormous pile of goodies for sale -

Cheers Geoff VK3ADB.

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The President Reports

Bob - VK3BNC



Firstly I want to say thank you to our hosts for the wonderful day that we had on the occasion of our visit to Woody's (VK3AGD) Radio Museum and subsequent visit to the Dunkeld Museum. The weather was perfect, our hosts very cordial and the food was typical of those "country girls". I'll leave the details for a report elsewhere in this Newsletter. Thanks to Mary VK3FMC for a well organised trip and a delightful day.

Speaking of Mary and her organising ability, don't forget the next "Natter Night" will be a counter tea at the City Oval Hotel on Friday 14th. July at 6.30 pm. followed by a chat, so try and come along and have a relaxing evening.

Congratulations to Wendy (now VK3HWK). She is the first of our members to take out one of the new "no morse" novice calls. I wonder who is going to do the cooking now ?

Gordon VK3FGC has finally made it to 'packet'. Good on you Gordon. I'm not sure but perhaps we may now be able to leave our prescriptions on the local BBS and pick them up at the Monday Practical Nights.!

It is good to see that Maurie VK3XEX is home again and two of our members have organised some arm chair operating comforts for him. So give Maurie a shout on 2 M.

Well the year marches on, and we are now on the "up" side. Our Hamvention planning will need to move into top gear, and you will need to think about the new Committee for 1995/6 as the Annual General Meeting approaches in July.

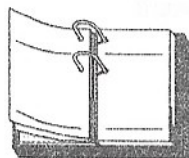
It was pleasing to see VK3BML took to the air last weekend for the annual "Novice Contest" Under the watchful eye of Cliff VK3CCB, some hundred odd stations were clocked up. Cliff reported a distinct lack of activity, however this could be due to the band conditions at the moment. Well all that aside, good on you chaps, and we hope you had an enjoyable time.

It is good to see that a few of our members are building, or have built, the "Linear Field Strength Meter" which was recently featured in the Newsletter. If you meet any problems with it, then bring it along to the Monday Prac.Nights and I'm sure that we can help YOU to sort them out.

OK then, until next month, keep warm by the hot soldering iron !

73 de Bob VK3BNC.

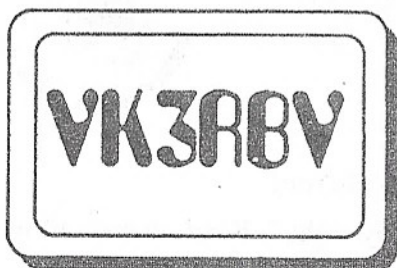
PLEASE NOTE



MEMBERSHIP FEES FOR 1995 / 1996 will become due and payable on the 1ST. OF AUGUST and not July as in previous years.

Membership Sec. Norm VK3LBA.

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AN A.T.V. UPDATE

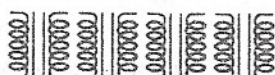


The ATV repeater is coming along pretty well. A few features have changed, mostly in the Control area. You no longer have to press the * key between inputs. So it is as simple as pressing the key number for the input screen that you want. - Please note though that there is still no 'time out' so you must still press the * key to turn off when you have finished.

The new graphics really give it life. The colour bars are now generated from the repeater itself. As soon as the 'time out' is completed and we improve the video switching, the repeater will be relocated onto the roof, which will really improve its range.

We are definitely running vertically polarised output, so get those antennas up - and stay tuned and don't forget the new control and 'yack' frequency is now 146.000 MHz.

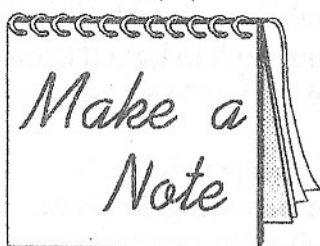
Stay tuned - Ben VK3TOP



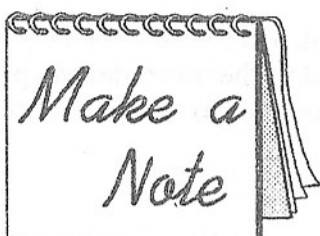
DON'T FORGET
THERE WILL BE NO NATTER NIGHT ON FRIDAY 14TH JULY
BUT
THERE WILL BE A COUNTER TEA IN LIEU AT THE
CITY OVAL HOTEL AT 6.30 pm.
(CNR. MAIR / PLEASANT ST.)
Please let Mary VK3FMC know if you plan to come along.



MANUAL WANTED
WOULD SOMEBODY OUT THERE HAVE A MANUAL TO
SELL OR COPY FOR A
REALISTIC DX160 COMMUNICATIONS RECVR. ?
Please Contact Norm VK3LBA (053-341613)



"AUSTRALIA REMEMBERS AWARD"
The HERVEY BAY Radio Club advise that in lieu of their usual 'Whale Award' they will be conducting a Special Event Station - VI50PEACE - to commemorate the cessation of hostilities in WW2. They stress that their intention is not to condone the "Act of War" but to commemorate the Men, Women and Children who lost their lives as a result of the conflict. The station will be operating on all bands from 1st. August to 31st. October.



BARG HAMVENTION
IT HAS BEEN CONFIRMED THAT THE 1995 HAMVENTION
WILL TAKE PLACE ON SATURDAY THE 28TH
(FOXHUNTING) AND SUNDAY 29TH. OCTOBER (TRADING)
AT A NEW VENUE: THE BALLARAT SHOWGROUNDS.
MORE LATER

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Well - Bust my Balun - It's ATV !!

BEN VKTOP continues his tales of the evolving VK3RBV



Why would a normal level-headed guy like me be standing on a steep tile roof, dressed in full motor cycle gear (including a helmet) on a dark and stormy night? Read on and 'all will be revealed'!

The move to Yendon went smoothly enough (I've moved house 26 times). The house didn't, and still doesn't, have SEC power connected, so we had to get some batteries and some solar panels hooked up double quick. As luck would have it we moved in at the start of winter, so although we started out with a fully charged bank of batteries, things were about to get interesting.

I quickly got the shack up and running (OK so it was the 1st. thing I did). It consisted of the same 2M / 70cm. FM only rig and the ATV setup as I had it in town. I had fixed the antennas on the roof, pointed towards Ballarat. The video source for the ATV was a VHS tape, recorded on a borrowed camera. Stan gave me a very poor report, to be expected with only 3 watts and a 10 element yagi. I received him pretty well but he only had a B & W camera so we weren't sure whether it was good enough for colour - but never mind - we were on TV.

About the same time George Small's son decided to have a garage sale, and Stan and Ian (AXH) tipped me off that there would be some ATV gear there. So off I went. It must have been a sight, my Lada Niva with a 128 element J beam on the roof with hard line, an ex-Telecom rack with a 2C39 linear and valve ATV transmitter hanging out the back window, and enough other 'stuff' to make the front wheels very light on the steering.

The J beam was repaired and up in a flash. The balun was a bit 'sus' but that never stopped this keen ATVer and it was fed with some LDF450A hardline! The report was better but what was needed (or so I was told) was some valve power. We decided not to run the valve transmitter (Stan was running one with mixed results where as the debugged solid state one was working well) so the 2C39 was the answer.

The test night arrived, and all was switched on. Stan was a lot happier - but 10 seconds later the phone rang - the neighbours were wondering if I was up to anything! It seems that although I had 'fixed' the transmitter at 3Watts, if you amplified the output the hidden spuglies came to light.

So we learnt a lesson. You must use colour bars to setup and you must sample the output and see what is really going on with an oscilloscope. You can't just rely on the 'guy across town' and a nearby TV receiver.

With the adjustments carried out Stan had a full colour picture and the phone wasn't ringing - Whew!. The other tip is not to adjust for maximum power - keep it clean.

Now back to that pesky balun. A 2:1 SWR doesn't do much for us UHF guys. We made up some other replacement baluns but the real proof is in the picture. So how to do this?

It's raining, it's dark, it's also the only spare time that I've got. So - with Stan remembering what the picture was like - it was on with the bike gear and onto the roof. The helmet both to keep the head dry and safe in case I slipped! Four trips in a half hour and we've discovered the best balun was the very first one - minus one turn!!! Ah well, all is fun on ATV in the rain!!

Enter Raelene at the shack door - "How come the lights dim every time you play ATV?" It seems that I've been too busy conducting important ATV testing instead of measuring the house battery volts, which seem to have shrunk to 23.5 Volts. Oh Dear! Well at least we had something to show for it.

By now all this activity on ATV had got a few others interested in town, and I wasn't the only one to get disheartened to see Stan's signal fade out as he swung his beam around to the other viewing party. So it was that a few days later another device was talked about that would continue to change my life. An ATV repeater was what we needed!

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" WANDOBAAH "

A Great Day Out



The Editor reports on a great BARG outing to Woody's (VK3ADG's) property 'WANDOBAAH' near Dunkeld and the local Historical Museum. I have an idea that 'Wandobah' translates to 'Wonderful' but even if I am wrong, that is the best word to describe the events of Sunday June 4th.

It had been a frosty morning and quite chilly but the sun had come out and all of the signs were right for a beautiful early winter's day. The BARG members had rendezvoused for their day trip to Dunkeld. It was about 10.15 am. when our organiser Mary (VK3FMC) indicated that all were present and we set out in convoy for our 180K journey to the Southern Gateway to the Grampians.

And what a pleasant journey it was, absolutely perfect weather, the paddocks returning to a lovely rich green after the recent rainfall, and driving conditions were ideal.

Arriving at WANDOBAAH at about noon, it was immediately obvious that Woody, along with daughter Jane and Son-in-Law Craig, had gone to a lot of trouble to make us welcome. Several other BARG members had arrived earlier, and after introductions all round, the BBQs were fired up and the feasting began. Hot water and seating had been supplied and it was not long before steak, sausages, hamburgers and about a bag of onions had been devoured, and it was time to look at Woody's museum.

What an experience ! Woody has a very extensive collection of radios and radio parts that must surely embrace the complete history of our hobby. It seems that each piece has a story to tell, and it's a sure bet that Woody will know that story. I think that every visitor, at some time during the visit, admitted to owning or using some 'gismo' or other that was on display, and tried to remember what happened to it. The display included everything from morse keys and telephones to radios, radio parts, home brew amateur gear, testing equipment, documents, cameras, Army gear, and the list goes on and on, but not just one of everything, but several of each showing how the units had been developed and improved upon over a period of time. Amazingly, Woody knew nearly all about his collection, but he has an insatiable thirst for more knowledge or equipment to fill in some of the gaps, so if you can assist I am sure that he would welcome you with open arms, as he did to us on our visit. A great experience Woody, we are very grateful to you and your family for sharing it with us.

On leaving WANDOBAAH at about 2.15pm we made our way to the Dunkeld Historical Museum where we enjoyed another exciting browse through History. The very well set up building holds excellent presentations and collections from Dunkeld and district, together with a further display of telephone, radio, photographic and cinemagraphic equipment compiled by Woody and others. It is a very complete and informative complex and well worth a visit at any time.

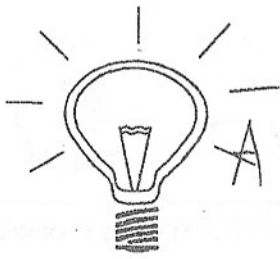
A very popular corner of the museum was the little kitchen area in the larger room, from where the ladies, who had staffed the museum for our visit and answered our strings of questions, now served us with tea and coffee and a 'WONDOBAH' afternoon tea comprising cream sponge, several types of delicious slices and biscuits, and some wonderful buttered drop scones. Thank you ladies for having us at your Museum, but a special thanks for that great 'country style' afternoon tea.

So there you have it. An excellent day was enjoyed by all who attended. If you were unable to go along this time keep your eyes and ears open, for if another opportunity presents itself 'further down the log' put your name down, although I doubt that the weather could be as kind as it was in June '95.

Thanks again Woody, and all at Dunkeld for 'One out of the Box!' and thanks Mary for the organisation.

73 de Norm VK3LBA

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A GREAT DIY PROJECT

A 12 Volt from 12 Volt Ni-Cad Charger



We are indebted to Brian VK3KQB for this handy project.

If you own a portable transceiver which has a 12 Volt plus battery pack, you will have found that the battery won't charge from the 12 Volt car battery unless the motor is running.

Here is a charger circuit which will overcome the problem.

Basically it acts as a voltage doubler to increase the 12 Volt supply to around 20 Volts, which is sufficient to charge up to a 15 Volt battery.

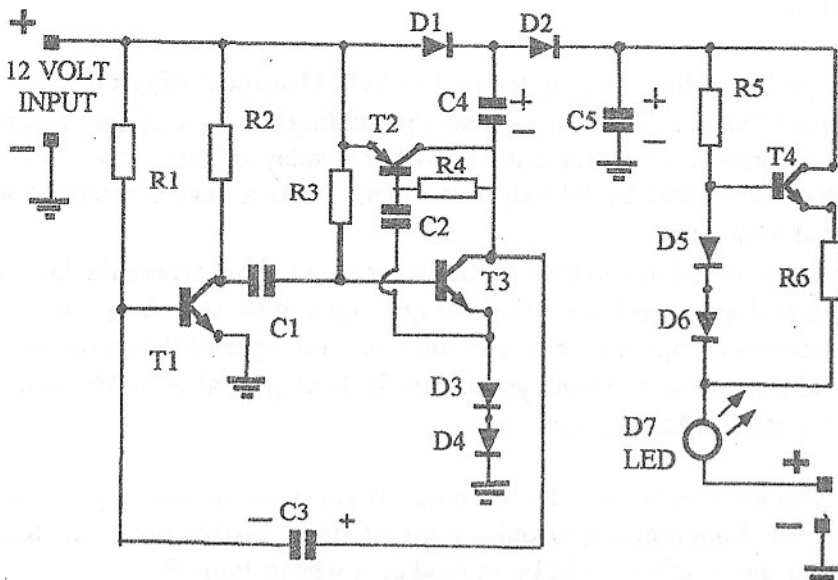
A simple 'Multivibrator' running at about 50 Hz, switches a 470uf capacitor in parallel and then in series with, the 12 Volt supply. The series voltages are applied, through a diode, to a second 470uf capacitor charging it to twice the supply voltage less any drop across the circuit components.

The resulting 20 Volts approx. is then applied to a constant current circuit set to charge at the rate required by 'AA' ni-cads. The rate is set by the 12 Ohm resistor in the emitter of T4 and can be adjusted by changing the resistor value using the formula:

$$R \text{ (ohms)} = \frac{600}{\text{Charging I (milliamps)}}$$

The LED indicates a charging current to the battery.

73 de Brian VK3KQB



COMPONENTS

R1	10K	T1	BC547
R2	1.2K	T2	TIP32A
R3	3.9K	T3	TIP31A
R4	10K	T4	TIP31A
R5	3.3K		
R6	12R	D1	1N4005
		D2	1N4005
C1	4.7 uf 35V	D3	1N4005
C2	47uf 16V	D4	1N4005
C3	2.2uf 35V	D5	1N4148
C4	470uf 16V	D6	1N4148
C5	470uf 35V	D7	LED

A 12 VOLT FROM 12 VOLT NICAD BATTERY CHARGER
FROM BRIAN VK3KQB

SEE OVER FOR VEROBOARD LAYOUT >



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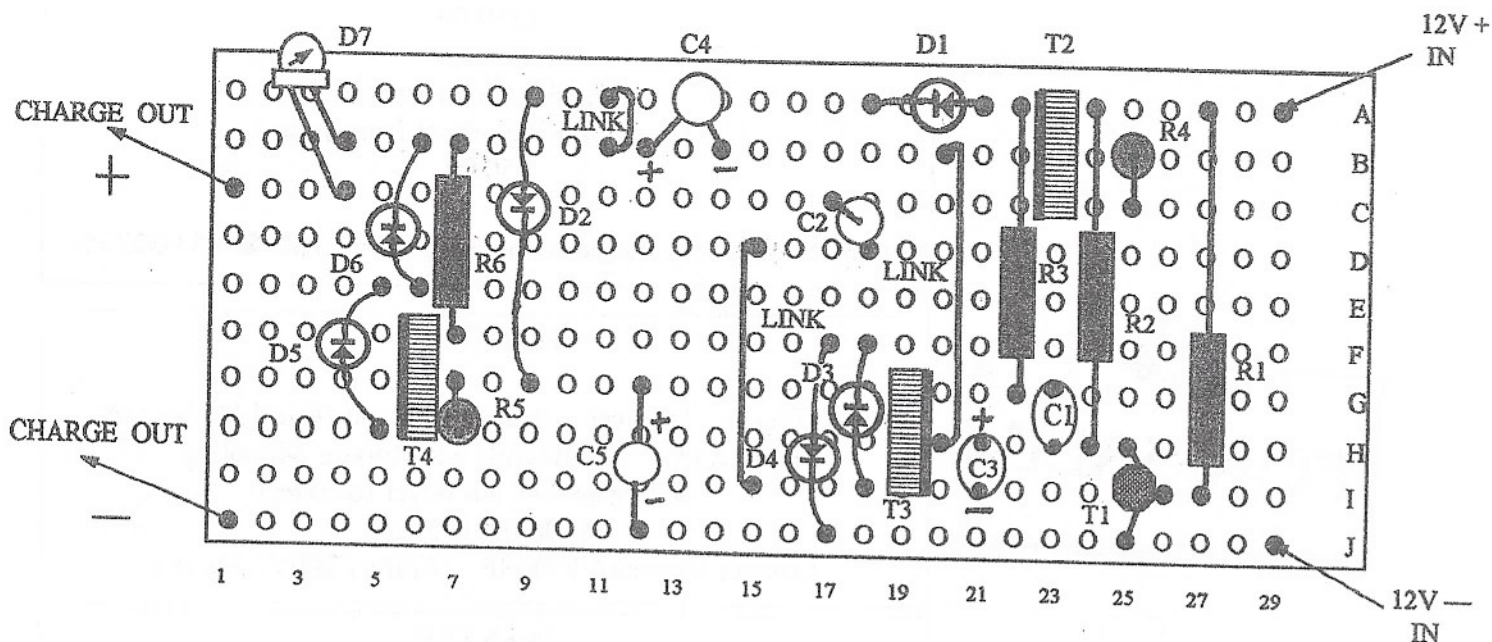
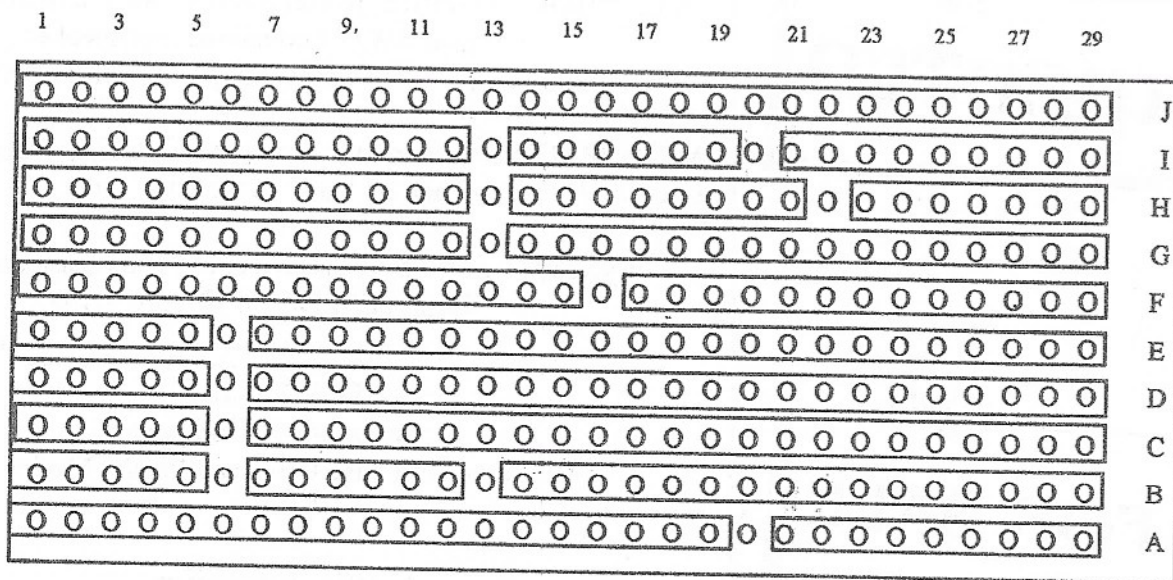
A GREAT DIY PROJECT

A 12 Volt from 12 Volt Ni-Cad Charger



VEROBOARD DETAILS - COMPONENT LAYOUT

VEROBOARD - COPPER SIDE



VEROBOARD - COMPONENT SIDE

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FOR SALE - (EX ESTATE OF KEITH VK3IV)

MOBILE WHIPS (Set of 5)

80, 40, 20, 15 & 10 metres.

Adjustable tip tuning. Heavy Duty spring mount and extension mount.

In excellent condition - \$120 ONO.

Contact Dick VK3LDC on ☎ 053-301927.



WANTED

* A.C. POWER SUPPLY to suit SWAN 240 Transceiver.
Original SW117 contained loudspeaker
or any other suitable power supply in working order.

* MICROPHONE - Older style desk type - high impedance
using a 1/4" phone jack on lead. In working order.

If you have either of the above could you please contact
Dick VK3LDC on ☎ 053-301927



FOR SALE

Commodore 64 Computer

Complete with Disc Drive and Packet Modem

\$200

FT101E Transceiver

Has had little use.

Complete with Handbook

\$350.00

Heathkit Monitoscope

Use for monitoring output from your rig.

\$50.00

For any of the above bargains contact Stan VK3SE ☎ 053-322340



FOR SALE

35 ft. Tower - Tilt over - in easily transportable 12 ft. sections

Comes with Stay Bearing and Rotator Mounting.

I will dismantle, but buyer to collect

\$300.00 O.N.O.

Contact Damien VK3EHP - (Ararat) ☎ 053-524183



WANTED

HAVE YOU ANY EX WW2 AIR FORCE EQUIPMENT
THAT YOU NO LONGER REQUIRE ?

The Ballarat Aviation Museum requires equipment for display.

If you can assist could you please contact Bob VK3BNC

☎ 053- 395317

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B.A.R.G.
NOTICE OF
ANNUAL GENERAL MEETING
FRIDAY 28TH. JULY 1995.



VENUE - THE BALLARAT ADULT & FURTHER EDUCATION CENTRE (ex BRACE)
602 URQUHART STREET
BALLARAT 3350

Members are advised that the Annual General Meeting of the Ballarat Amateur Radio Group Inc. (B.A.R.G.) will be held on Friday the 28th. July at the Venue shown above.
Business:

- * To confirm the minutes of the last preceeding Annual Meeting held 31st. July 1994.
- * To receive from the Committee reports upon the transactions of the Association during the last preceding financial year.
- * To elect Officers of the Association and of the Ordinary Members Committee for the ensuing year.

* To consider the following NOTICE OF MOTION

I give notice that at the Annual General Meeting of the Ballarat Amateur Radio Group I shall move that

1. "Rule 4 Sub.Rule(ii) be ammended to read : The Annual Subscription shall be

Full Member \$25.00

Student Member \$20.00

Family Members \$40.00

(or such amount as the Committee may determine, and ratified by members at the Annual General Meeting) and becomes due on the first day of August in each year, and payable by the last day of October in each year, when if still unfinancial, the persons name shall be removed from the membership list."

2. That a new Rule 36 be added which shall read: "The Committee shall have the power to make By-laws for the management of the Group, provided they are not opposed or inconsistent with the rules of the Ballarat Amateur Radio Group; and may alter, amend, or rescind such By-laws from time to time as occasion may require. A book containing the Model Rules and By-laws shall be kept by the Secretary."

Gordon Cornell VK3FGC

You are invited to nominate members for all positions in the Association, as they all become vacant at the AGM. Please use the form attached and forward to the Secretary by the 14th. July 1995.

✂

B.A.R.G. NOMINATION FORM.

DATE: _____

We wish to nominate _____

for the position of _____ of BARG

Nominated by : (Signature) _____ Callsign VK3 _____

Seconded by : (Signature) _____ Callsign VK3 _____

Signature of Nominee: _____ Callsign VK3 _____



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B.A.R.G. HAM CONVENTION 1995

OCTOBER

Saturday 28th. - Foxhunting

Sunday 29th. - Trading

NEW VENUE

BALLARAT SHOWGROUNDS

Everything under cover.

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HEWITT & WHITTY



CORNER CARNHAM RD. AND WILTSHIRE LANE

CASTROL DISTRIBUTOR:

SUPER TT FOR 2 STROKE MOTORS - THE BEST THERE IS.

GLASS AND CHROME CLEANER FOR WINDOWS - TRY IT.

GTX2 FOR MOTOR VEHICLES - TOP LINE - LOW PRICE

HARDIE GARDEN SPRAYERS - 5 AND 8 LITRE CAP.
SIMPLE - STURDY - EFFICIENT.
They're not cheap but there's none better.

ECHO BRUSHCUTTERS - FULL RANGE IN STOCK
LIFETIME GUARANTEE ON MOTOR
One free service adjustment

GLYPHOSPHATE (READ - ROUNDUP) HERBICIDE
1 LITRE, 2.5 LITRE, & 5 LITRE CONTAINERS
1 Litre Makes 100 Litres

73 de Bill VK3PH



BALLARAT PAGING & COMMUNICATIONS

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TWO-WAY COMMUNICATIONS SPECIALISTS



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053 - 31 7922

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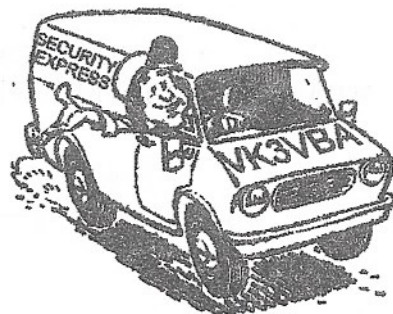
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CNR.HAMMOND AVE. & BRISTOL AVE.
ESSENDON AIRPORT.**



ENQUIRIES

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GEELONG 1800 645252

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NORTH GEELONG
FAX 78 5148

OR CONTACT
BALLARAT AGENT
IAN LEISHMAN
018 503682

95/06 14

COMING EVENTS AND INFORMATION

30th. June - BARG General Meeting

14th. July - Counter Tea in lieu of Natter Night.

6.30pm at City Oval Hotel - Names to Mary VK3FMC.

19th. July - BARG Committee Meeting.

28th. July - BARG ANNUAL MEETING.

Monday Nights - Practical Nights.

2M Scramble - Sunday Nights 7.50pm 146.425 to 146.600 Mhz.

Club Net - Thursday Nights 8pm. 3.610 +/-

28th./29th. October - BARG Hamvention - Ballarat Showgrounds.



INFORMATION

B.A.R.G.

THE BALLARAT AMATEUR RADIO GROUP INC.

A GROUP OF RADIO ENTHUSIASTS LICENSED TO EXPERIMENT
WITH LOCAL & INTERNATIONAL RADIO COMMUNICATIONS ON AN AMATEUR BASIS.

NEW MEMBERS ALWAYS WELCOME

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OFFICIAL NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP INC.

B.A.R.G. NEWS



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